



U. S. Department of Justice

Fire Research Laboratory
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Test record

ASCLD/LAB-International Testing Accreditation
Certificate ALI-217-T

Title	Flashover in Long Narrow Rooms		
Test Type	Custom		
Lab Number	ATFFRL050001-1		
Test dates	6/6/05	No. Tests	2

Experiment Photographs

Digital Cameras are used within the FRL to record digital still photographs during experiments. Digital Cameras used during this test series were used in accordance with the method defined in FRL Laboratory Instruction “LI003 Digital Cameras” [1].

Results for Test 1 (ID 1128)

The following table lists selected events that occurred during the experiment.

Table 1. Experiment Events

Description	Time (s)
second ignition	235
ignition of bedding	658
ignition of large bed, chair	686
Flashover	930
suppression	994

The following figures show all of the still photographs uploaded into the FireTOSS system. The caption below each figure provides the picture's filename as well as any description and elapsed test time associated with the picture.



Figure 1. Pre test 22 minutes,
1128_15072



Figure 2. Pre test 21 minutes,
1128_15073

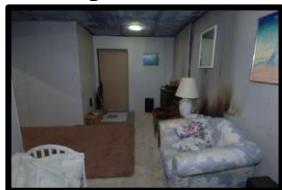


Figure 3. Pre test 21 minutes,
1128_15074

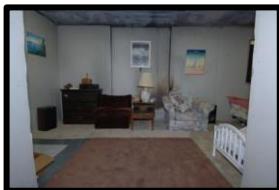


Figure 4. Pre test 21 minutes,
1128_15076



Figure 5. Pre test 11 seconds,
1128_15084



Figure 6. 790,
1128_15088



Figure 7. 916,
1128_15092



Figure 8. 935,
1128_15096



Figure 9. 963,
1128_15100



Figure 10. 993,
1128_15104



Figure 11. 1021,
1128_15108



Figure 12. 0,
1128_15142



Figure 13. 0,
1128_15146



Figure 14. 0,
1128_15150



Figure 15. 0,
1128_15154



Figure 16. 0,
1128_15158



Figure 17. 0,
1128_15162



Figure 18. 94
seconds,
1128_15085



Figure 19. 193
seconds,
1128_15086



Figure 20. 439
seconds,
1128_15087



Figure 21. 827
seconds,
1128_15089



Figure 22. 875
seconds,
1128_15090



Figure 23. 899
seconds,
1128_15091



Figure 24. 921
seconds,
1128_15093



Figure 25. 929
seconds,
1128_15094



Figure 26. 933
seconds,
1128_15095



Figure 27. 938
seconds,
1128_15097



Figure 28. 943
seconds,
1128_15098



Figure 29. 953
seconds,
1128_15099



Figure 30. 971
seconds,
1128_15101



Figure 31. 980
seconds,
1128_15102



Figure 32. 982
seconds,
1128_15103



Figure 33. 997
seconds,
1128_15105



Figure 34. 1005
seconds,
1128_15106



Figure 35. 1014
seconds,
1128_15107



Figure 36. Post test
10 minutes,
1128_15143



Figure 37. Post test
11 minutes,
1128_15144



Figure 38. Post test
11 minutes,
1128_15145



Figure 39. Post test
12 minutes,
1128_15148



Figure 40. Post test
18 minutes,
1128_15152

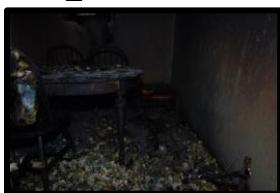


Figure 41. Post test
46 minutes,
1128_15156

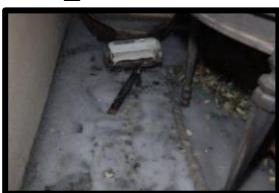


Figure 42. Post test
47 minutes,
1128_15160

Results for Test 2 (ID 51352)

The following table lists selected events that occurred during the experiment.

Table 2. Experiment Events

Description	Time (s)
ignition	0
Flashover	101
suppression	162

The following figures show all of the still photographs uploaded into the FireTOSS system. The caption below each figure provides the picture's filename as well as any description and elapsed test time associated with the picture.

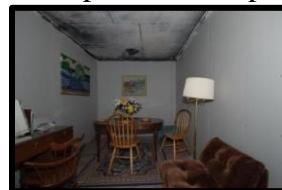


Figure 43. Pre test
70:20 hr:min,
1128_15078



Figure 44. Pre test
70:20 hr:min,
1128_15080



Figure 45. Pre test
69:17 hr:min,
1128_15112



Figure 46. Pre test
69:16 hr:min,
1128_15114



Figure 47. Pre test
69:15 hr:min,
1128_15116



Figure 48. Pre test
69:15 hr:min,
1128_15118



Figure 49. Pre test
69:15 hr:min,
1128_15122



Figure 50. Pre test
69:14 hr:min,
1128_15124



Figure 51. Pre test
69:14 hr:min,
1128_15126



Figure 52. Pre test
69:14 hr:min,
1128_15128



Figure 53. Pre test
69:14 hr:min,
1128_15130



Figure 54. Pre test
69:14 hr:min,
1128_15132



Figure 55. Pre test
69:14 hr:min,
1128_15134



Figure 56. Pre test
69:14 hr:min,
1128_15136



Figure 57. Pre test
69:13 hr:min,
1128_15138



Figure 58. Pre test
69:13 hr:min,
1128_15140



Figure 59. Pre test
68:56 hr:min,
1128_15149



Figure 60. Pre test
68:50 hr:min,
1128_15153



Figure 61. Pre test
68:22 hr:min,
1128_15157



Figure 62. Pre test
68:20 hr:min,
1128_15161



Figure 63. Pre test
1:04 hr:min,
1128_15077

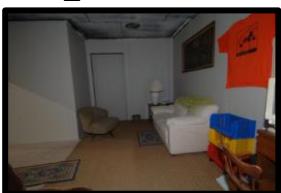


Figure 64. Pre test
1:03 hr:min,
1128_15079

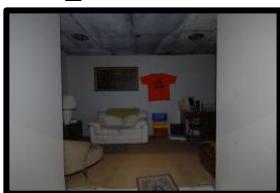


Figure 65. Pre test
1:03 hr:min,
1128_15081



Figure 66. 0
seconds,
1128_15113



Figure 67. 50
seconds,
1128_15115



Figure 68. 75
seconds,
1128_15117



Figure 69. 92
seconds,
1128_15119



Figure 70. 98
seconds,
1128_15121



Figure 71. 102
seconds,
1128_15123



Figure 72. 112
seconds,
1128_15125



Figure 73. 119
seconds,
1128_15127



Figure 74. 138
seconds,
1128_15129



Figure 75. 141
seconds,
1128_15131



Figure 76. 157
seconds,
1128_15133



Figure 77. 165
seconds,
1128_15135



Figure 78. 173
seconds,
1128_15137



Figure 79. 188
seconds,
1128_15139



Figure 80. Post test
9 minutes,
1128_15147



Figure 81. Post test
10 minutes,
1128_15151

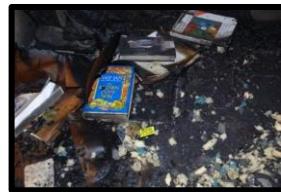


Figure 82. Post test
17 minutes,
1128_15155



Figure 83. Post test
45 minutes,
1128_15159



Figure 84. Post test
47 minutes,
1128_15163

References

1. Laboratory Instruction LI003 - Digital Cameras, Bureau of Alcohol, Tobacco, Firearms and Explosives - Fire Research Laboratory, Beltsville, MD